

Converting Colors

Yxy(63.6858, 0.4276, 0.4217)

Have a look what the booklet for
Yxy(63.6858, 0.4276, 0.4217)
contains.

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Color

Yxy(63.6301, 0.4276, 0.4215)

Conversions

Conversions Part 1

Format	Color
Hex	FFC86B
RGB	255, 200, 107
RGB Percent	100%, 78%, 42%
CMY	0.0000, 0.2157, 0.5805
CMYK	0.00, 0.22, 0.58, 0.00
HSL	38°, 100%, 71%
HSV	38°, 58%, 100%
XYZ	64.5510, 63.6301, 22.7800
YIQ	205.8430, 62.6330, -17.2630

Conversions

Conversions Part 2

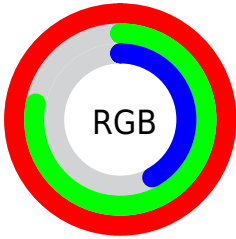
Format	Color
RYB	195, 255, 107
Decimal	16762987
CIELab	83.77, 9.44, 53.29
CIElCh	84, 54.122, 79.951
Yxy	63.6301, 0.4276, 0.4215
Android (android.graphics.Color)	4294953067 (0xFFFFC86B)
YUV	205.8430, -48.7296, 43.1107
Hunter-Lab	79.7685, 4.8525, 38.9061

Details

The Yxy color **63.6301, 0.4276, 0.4215** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.1726, 0.2142, 0.2093**, and the grayscale version is **61.9010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3532, 0.3683, 0.4210**, and **32.4357, 0.4522, 0.4382** is the 20% darker color. If you saturate the color by 10%, you get **58.9172, 0.4498, 0.4326**, and if you desaturate by 10%, it is **68.7736, 0.4049, 0.4074**.

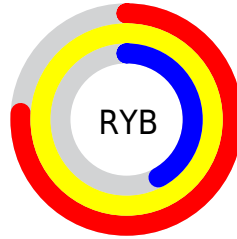
Distribution



Red (100%)

Green (78%)

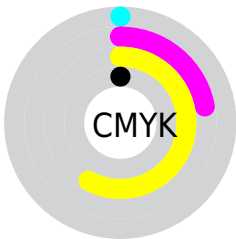
Blue (42%)



Red (76%)

Yellow (100%)

Blue (42%)

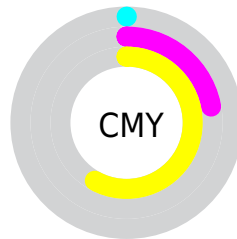


Cyan (0%)

Magenta (22%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6301, 0.4276, 0.4215 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 63.6301, 0.4276, 0.4215 by changing the saturation by 10% instead.


 63.6301, 0.4276,
0.4215


 63.6301, 0.4276,
0.4215


437.8526, 0.3751,
0.3813


 46.3511, 0.4388,
0.4294


 110.0780, 0.4099,
0.4085


 32.5230, 0.4519,
0.4384


 140.0158, 0.4029,
0.4031

 21.7613, 0.4674,
0.4482


 174.9420, 0.3967,
0.3984

 13.6816, 0.4854,
0.4584

 215.2410, 0.3913,
0.3942

 7.8996, 0.5089,
0.4705

261.2971, 0.3866,
0.3904

 4.0307, 0.5275,
0.4725

313.4949, 0.3823,

 1.6908, 0.5405,

0.3871

0.4595

372.2186, 0.3785,
0.3840

0.4177, 0.6004,
0.3996

0.0000, 0.0000,
0.0000

63.6301, 0.4276,
0.4215

63.6301, 0.4276,
0.4215

58.9172, 0.4498,
0.4326

68.7736, 0.4049,
0.4074

54.6149, 0.4705,
0.4394

74.3644, 0.3829,
0.3915

50.7016, 0.4885,
0.4411

80.4187, 0.3621,
0.3747

47.1489, 0.5031,
0.4376

86.9515, 0.3428,
0.3579

46.4919, 0.5058,
0.4366

93.9766, 0.3254,
0.3416

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.6301, 0.4485, 0.3736



63.6301, 0.4276, 0.4215



63.6301, 0.3764, 0.4518

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.6301, 0.4276, 0.4215



63.6301, 0.2081, 0.3195



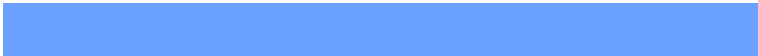
63.6301, 0.3021, 0.2412

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63.6301, 0.4276, 0.4215



36.1726, 0.2142, 0.2093

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.6301, 0.2425, 0.2249



63.6301, 0.4276, 0.4215



63.6301, 0.1932, 0.2619

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.6301, 0.4276, 0.4215



63.6301, 0.2498, 0.3909



63.6301, 0.2051, 0.2306



63.6301, 0.3720, 0.2757

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.6301, 0.4276, 0.4215



63.6301, 0.3334, 0.4517



63.6301, 0.2051, 0.2306



63.6301, 0.2802, 0.2335

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



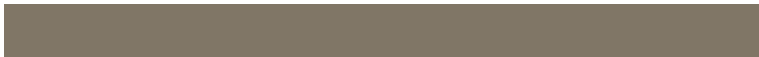
63.6303, 0.4276, 0.4215



87.6669, 0.3409, 0.3562



34.4387, 0.4205, 0.2724



18.4728, 0.3446, 0.3595



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.6303, 0.4276, 0.4215



58.0474, 0.4540, 0.4342



90.7112, 0.3836, 0.4729



19.8898, 0.3278, 0.3439



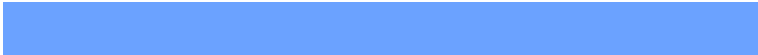
24.5887, 0.5040, 0.4380



2.6036, 0.4917, 0.4478

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.1726, 0.2142, 0.2093



28.3673, 0.1957, 0.1799



22.0316, 0.2098, 0.1460



18.4832, 0.2979, 0.3136



8.2861, 0.1660, 0.1177



1.0077, 0.1723, 0.1402

Previews

White Background



This preview shows how the Yxy color 63.6301, 0.4276, 0.4215 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 63.6301, 0.4276, 0.4215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.6301, 0.4276, 0.4215

Background



This preview shows how black text looks on a background with the Yxy color 63.6301, 0.4276, 0.4215.



This preview shows how white text looks on a background with the Yxy color 63.6301, 0.4276, 0.4215.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

63.6301, 0.4276, 0.4215

Protanopia

63.7156, 0.4005, 0.4357

Deuteranopia

63.7835, 0.4229, 0.4155



Tritanopia

63.7596, 0.3549, 0.3178

Trichromacy



Original Color

63.6301, 0.4276, 0.4215

Protanomaly

63.7720, 0.4103, 0.4306

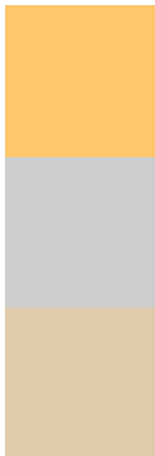
Deuteranomaly

63.7163, 0.4249, 0.4181

Tritanomaly

63.6044, 0.3829, 0.3574

Monochromacy



Original Color

63.6301, 0.4276, 0.4215

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

61.9353, 0.3539, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6301, 0.4276, 0.4215 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 200, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 107)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 200, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 107) }
```

Border

The CSS property to change the border of an element to Yxy 63.6301, 0.4276, 0.4215 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 200, 107) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 200, 107) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 200, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 200, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 200, 107); box-shadow:4px 4px 4px 4px rgb(255, 200, 107) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6301, 0.4276, 0.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 107) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
200, 107) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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